

## REMARKS

Claims 1-12 are currently active.

Antecedent support for the amendment to Claims 1 and 12 are found on page 17, lines 1-4.

The Examiner has rejected Claims 1-12 as being unpatentable under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. Applicant has amended Claims 1 and 12 pursuant to the Examiner's suggestions, thus obviating this rejection.

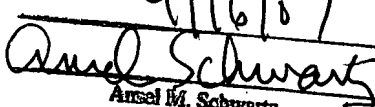
The Examiner has rejected Claims 1-12 under 35 U.S.C. 112, second paragraph, as being indefinite. Claims 1 and 12 have ben amended to obviate this rejection.

The Examiner has rejected Claims 1 and 12 as being anticipated by Ebert. Applicant respectfully traverses this rejection. Ebert is actually the prior art Perlin noise developed by applicant. As stated in the background of the invention on page 1, beginning on line 9, the various improvements of the claimed invention are listed in regard to Ebert. Claims 1 and 12 have been amended to include the limitation "six eight-bit quantities i, j, k, u, v, w, where i, j, k are the greatest integers not greater than x, y, z, respectively, and u, v, w

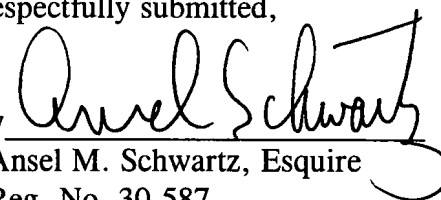
signify a fractional position of x, y, z above i, j, k to eight-bit precision". Ebert does not teach or suggest this limitation.

The Examiner has rejected Claims 2-11 as being unpatentable over Ebert in view of Ye. Applicant respectfully traverses this rejection. Ye also does not teach or suggest anywhere the limitation "to create a virtual table where entries in a lower half of the table index into an upper half of the table and entries of the upper half of the table index into the lower half of the table". Claims 2-11 are dependent to parent Claim 1 and have all the limitations of Claim 1. For the reasons Claim 1 is patentable, as explained above, Claims 2-11 are patentable over Ebert in view of Ye.

In view of the foregoing amendments and remarks, it is respectfully requested that the outstanding rejections and objections to this application be reconsidered and withdrawn, and Claims 1-12, now in this application be allowed.

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